

Declaration and Power of Attorney

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled "SOLID STATE WHITE LIGHT EMITTER AND DISPLAY USING SAME," the specification of which:

 ✓ is attached hereto.
 ✓ was filed on March 26, 1996, as Application Serial No.: 08/621,937
 and was amended on .

I hereby state that I have reviewed and understand the contents of the above-referenced specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application of which priority is claimed:

Prior Foreign Application(s)	<u>Priority Claimed</u>	
<u>None</u> (Number)	<u> </u> (Country)	<u> </u> (Day/Month/Year Filed)
	<u>Yes</u>	<u>No</u>

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §156(a), which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

<u>None</u> (Application Serial No.)	<u> </u> (Filing Date)	<u> </u> (Status)
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I hereby appoint the following attorneys or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Janet Elliott, Registration No. 33,594
 Herbert Shapiro, Registration No. 20,578

Address all telephone calls to Janet Elliott, 203-794-1100. Address all correspondence to Janet Elliott, ATMI, 7 Commerce Drive, Danbury, Connecticut 06810.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements, and the like, so made are punishable by fine or imprisonment, or both, under Section 1001 or Title 18 of the United States Code and

that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Bruce Baretz
Inventor's signature *Bruce Baretz* Date: 5/29/96
Residence 77 Vreeland Road, West Milford, New Jersey 07480
Citizenship USA
Post Office Address 77 Vreeland Road, West Milford, New Jersey 07480

Full name of second inventor Michael A. Tischler
Inventor's signature *Michael A. Tischler* Date: 6/4/96
Residence 83 Barclay Commons, Danbury, Connecticut 06811
Citizenship USA
Post Office Address 83 Barclay Commons, Danbury, Connecticut 06811

ASSIGNMENT

KNOW ALL MEN BY THESE PRESENTS:

THAT WHEREAS, we, Bruce Baretz and Michael A. Tischler, have made an invention in certain improvements in "SOLID STATE WHITE LIGHT EMITTER AND DISPLAY USING SAME" described in an application executed by us and filed in the U.S. Patent and Trademark Office on March 26, 1996, as U.S. Patent Appl. Serial No. 08/621,937;

WHEREAS, Advanced Technology Materials, Inc., a corporation duly organized and existing under the laws of the State of Delaware and having a place of business at 7 Commerce Drive, Danbury, Connecticut 06810, for the benefit of itself, its successors and assigns, all inclusively hereinafter referred to as the Assignee, is desirous of acquiring the entire right, title and interest in and to the said invention, the said application, all inventions disclosed in said application, and any and all Letters Patent of the United States and of all other countries which may be granted for said invention or inventions, or any of them;

NOW THEREFORE, for good and valuable consideration to us paid by the said Assignee, the receipt whereof is hereby acknowledged, we do hereby sell, assign and transfer to the said Assignee the entire right, title, and interest in and to the said invention, inventions, and application, including all priority rights arising therefrom, all inventions disclosed in said application, and any and all Letters Patent of the United States and of all other countries, together with the right to apply for such Letters Patent, which may be granted for the said invention, inventions, or any of them.

TO HAVE, HOLD AND ENJOY the said inventions, the said application, and the said Letters Patent, to said Advanced Technology Materials, Inc., its successors and assigns, to its and their own use and behoof to the full end of the term or terms for which the said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us had this assignment not been made.

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States and the appropriate officers of all foreign countries to issue any and all Letters Patent which may be granted on the said application or applications above referred to or for the said inventions, or any of them, to the said Assignee in accordance with the terms of this instrument.

AND WE HEREBY agree to execute and sign without further consideration any other legal document, and any other assignments and any divisional, continuing, renewal, reissue or other application in and for all patents that may be appropriate and may be deemed necessary by the Assignee fully to secure to the said Assignee its interests as aforesaid and to the said invention or any part thereof and in and to said patents or any of them.

AND WE further covenant and agree that we will at any time upon request communicate to the said Assignee, its successors, assigns or other legal representatives, any facts known to us relating to the said invention and any patent that may be granted thereon, and will testify as to the same in any interference or litigation when requested to do so.

AND WE do hereby covenant for ourselves and our legal representatives that we have not hitherto assigned or granted any license to make, use or sell said invention, and that we will not henceforth purport to assign, license or execute any instrument to that effect in conflict with this assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on the date set forth below.

5/29/96
Date

Bruce Baretz
Bruce Baretz

State of Connecticut)
County of Fairfield)

ss.: Danbury

Then personally appeared the above-named Bruce Baretz, this 29th day of May, 1996, to me personally known and known by me to be the person described in and who executed the foregoing instrument and acknowledged the same to be his own free act and deed, before me.

Phyllis W. Bonucci
Notary Public

Nov. 30, 1998
My Commission Expires

6/4/96
Date

Michael A. Tischler
Michael A. Tischler

State of Connecticut)
County of Fairfield)

ss.: Danbury

Then personally appeared the above-named Michael A. Tischler, this 4th day of June, 1996, to me personally known and known by me to be the person described in and who executed the foregoing instrument and acknowledged the same to be his own free act and deed, before me.

Phyllis W. Bonucci
Notary Public

Nov. 30, 1998
My Commission Expires